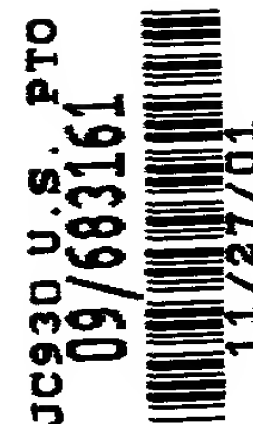


Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 13074  
Application ID: 09683161  
Title of Invention: METHOD AND ARRANGEMENT  
FOR CONTROLLING STRESSES  
BASED ON ONE-DIMENSIONAL  
MODELING IN SPRAYFORM  
TECHNIQUES  
First Named Inventor: Allen Roche  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2001-11-27  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: 201-0989DP  
Digital Certificate Holder: cn=Damian Porcari, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: v0tM9mV/NZyBHIEK8v1TTQ==  
Total Fees Authorized: \$780.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 61510  
Deposit Account Name: Sheri L. Charles



# TRANSMITTAL FORM



Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket  
Number:

201-  
0989DP

Submission Type: Utility Patent  
Filing

## METHOD AND ARRANGEMENT FOR CONTROLLING STRESSES BASED ON ONE-DIMENSIONAL MODELING IN SPRAYFORM TECHNIQUES

First Named Inventor: Allen Roche

### SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Sheri Lynn Charles Electronic  
Application Specialist

Electronic Signature Mark: /slc

Date Signed: 20011127

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

Attached Files:

declaration

consent.tif

declaration	declarationpg1.tif
declaration	declarationpg2.tif
declaration	declarationpg3.tif
patent-assignments	201-0989asgn.xml
specification	SPEC201-0989.xml
bibd-transmittal	201-0989apds.xml
fee-transmittal	201-0989fee.xml

Attached Image File(s):

consent.tif  
declarationpg1.tif  
declarationpg2.tif  
declarationpg3.tif

DECLARATION

**Comments:**

This application is related to and claims benefit of a US provisional application filed 11/5/01. We have not yet received the provisional serial no. from the Patent Office.

[illegible]

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

Case Docket No. **201-0989**  
Date: November 27, 2001

Sir:

Inventor(s):  
**Samir Samir**  
**Chijoke Mgbokwere**  
**Allen Roche,**  
**Mark Lusk**

For: **METHOD AND ARRANGEMENT FOR CONTROLLING STRESSES BASED ON ONE-DIMENSIONAL  
MODELING IN SPRAYFORM TECHNIQUES**

The attorney or agent below has reviewed this application and its attachments and consents to  
electronic filing by the assignee.

Respectfully submitted:



Damian Porcari  
Attorney or Agent of Record  
Registration No. 31,461  
Ford Global Technologies, Inc.  
One Parklane Blvd.,  
600 Parklane Towers East  
Dearborn, MI 48126  
Telephone: 1-313-8455101

## DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION

Attorney's Docket No.  
201-0989

As a below named inventor, I hereby declare:

My residence, post office address and citizenship are as stated below next to my name;

I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed for which a patent is sought on the invention entitled

**METHOD AND ARRANGEMENT FOR CONTROLLING STRESSES BASED ON ONE-DIMENSIONAL MODELING IN SPRAYFORM TECHNIQUES**

the specification of which is attached hereto.

I have reviewed and understand the contents of the specification identified above, including the claims.

I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns,

☐ no such applications have been filed, or

☒ such applications have been filed as follows:

☒ I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below

COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119	<input type="checkbox"/> Additional provisional application numbers are on a separate priority data sheet/PTO/SB/02 attached hereto
USA		11/05/2001		yes	

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which becomes available between the filing date of the prior application and the national or PCT International filing date of this application.

\_\_\_\_\_  
(Application Number) (Filing Date) (Status - patented, pending, abandoned)


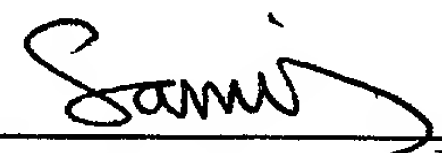
\_\_\_\_\_  
(Application Number) (Filing Date) (Status - patented, pending, abandoned)

**POWER OF ATTORNEY:** - I/we hereby appoint the following Practitioners: Customer No. 022844, Tracy W. Druce - 35, my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and all foreign Patent Offices.

**Address all correspondence and telephone calls to:**

Tracy W. Druce  
Kilpatrick, Stockton LLP  
1130 Sunrise Valley Drive, Suite 300  
Reston, Virginia 20191-4329 Phone: (703) 648-8500

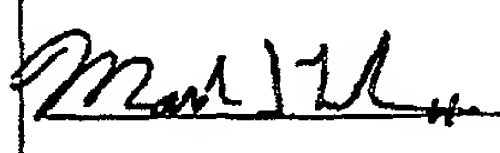
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE
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Samir Samir 3306 Surrey Drive Saline, MI 48176 US	Saline, MI 48176 US	India	
Chijoke Mgbokwere _____ _____	_____ _____	Nigeria	_____ _____
Mark Lusk _____ _____, CO _____ US	_____, CO _____ US	U.S.A	_____ _____

**Address all correspondence and telephone calls to:**

Tracy W. Druce  
Kilpatrick, Stockton LLP  
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Reston, Virginia 20191-4329 Phone: (703) 648-8500

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false staten jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE
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Samir Samir 3306 Surrey Drive Saline, MI 48176 US	Saline, MI 48176 US	India	
Chijoke Mgbokwere _____ _____	_____ _____	Nigeria	
Mark Lusk 9885 Sand Cherry Way Highlands Ranch, CO 80129 US	Highlands Ranch, CO 80129 US	U.S.A	



FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 780

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510  
Deposit Account Name: Ford Global Technologies, Inc.



Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Sheri L. Charles  
Electronic Signature Mark: /slc  
Date Signed: 20011127

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	103	\$ 18	0	\$ 0
Independent Claims: 1	102	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40